

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:sssptal800exs

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * Welcome to STN International * * * * *

NEWS 1 Web Page URLs for STN Seminar Schedule - N. America
NEWS 2 Apr 08 "Ask CAS" for self-help around the clock
NEWS 3 Jun 03 New e-mail delivery for search results now available
NEWS 4 Aug 08 PHARMAMarketLetter(PHARMAML) - new on STN
NEWS 5 Aug 19 Aquatic Toxicity Information Retrieval (AQUIRE)
now available on STN
NEWS 6 Aug 26 Sequence searching in REGISTRY enhanced
NEWS 7 Sep 03 JAPIO has been reloaded and enhanced
NEWS 8 Sep 16 Experimental properties added to the REGISTRY file
NEWS 9 Sep 16 CA Section Thesaurus available in CAPLUS and CA
NEWS 10 Oct 01 CASREACT Enriched with Reactions from 1907 to 1985
NEWS 11 Oct 24 BEILSTEIN adds new search fields
NEWS 12 Oct 24 Nutraceuticals International (NUTRACEUT) now available on STN
NEWS 13 Nov 18 DKILIT has been renamed APOLLIT
NEWS 14 Nov 25 More calculated properties added to REGISTRY
NEWS 15 Dec 04 CSA files on STN
NEWS 16 Dec 17 PCTFULL now covers WP/PCT Applications from 1978 to date
NEWS 17 Dec 17 TOXCENTER enhanced with additional content
NEWS 18 Dec 17 Adis Clinical Trials Insight now available on STN
NEWS 19 Jan 29 Simultaneous left and right truncation added to COMPENDEX,
ENERGY, INSPEC
NEWS 20 Feb 13 CANCERLIT is no longer being updated
NEWS 21 Feb 24 METADEX enhancements
NEWS 22 Feb 24 PCTGEN now available on STN
NEWS 23 Feb 24 TEMA now available on STN
NEWS 24 Feb 26 NTIS now allows simultaneous left and right truncation
NEWS 25 Feb 26 PCTFULL now contains images
NEWS 26 Mar 04 SDI PACKAGE for monthly delivery of multifile SDI results
NEWS 27 Mar 20 EVENTLINE will be removed from STN
NEWS 28 Mar 24 PATDPAFULL now available on STN
NEWS 29 Mar 24 Additional information for trade-named substances without
structures available in REGISTRY
NEWS 30 Apr 11 Display formats in DGENE enhanced
NEWS 31 Apr 14 MEDLINE Reload
NEWS 32 Apr 17 Polymer searching in REGISTRY enhanced
NEWS 33 Apr 21 Indexing from 1947 to 1956 being added to records in CA/CAPLUS
NEWS 34 Apr 21 New current-awareness alert (SDI) frequency in
WPIDS/WPINDEX/WPIX
NEWS 35 Apr 28 RDISCLOSURE now available on STN
NEWS 36 May 05 Pharmacokinetic information and systematic chemical names
added to PHAR
NEWS 37 May 15 MEDLINE file segment of TOXCENTER reloaded
NEWS 38 May 15 Supporter information for ENCOMPPAT and ENCOMPLIT updated
NEWS 39 May 16 CHEMREACT will be removed from STN
NEWS 40 May 19 Simultaneous left and right truncation added to WSCA
NEWS 41 May 19 RAPRA enhanced with new search field, simultaneous left and
right truncation

NEWS EXPRESS April 4 CURRENT WINDOWS VERSION IS V6.01a, CURRENT
MACINTOSH VERSION IS V6.0b(ENG) AND V6.0Jb(JP),
AND CURRENT DISCOVER FILE IS DATED 01 APRIL 2003
NEWS HOURS STN Operating Hours Plus Help Desk Availability
NEWS INTER General Internet Information

NEWS LOGIN Welcome Banner and News Items
NEWS PHONE Direct Dial and Telecommunication Network Access to STN
NEWS WWW CAS World Wide Web Site (general information)

Enter NEWS followed by the item number or name to see news on that specific topic.

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* * * * * STN Columbus * * * * *

FILE 'HOME' ENTERED AT 18:45:55 ON 27 MAY 2003

=> fil medline

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.21

0.21

FILE 'MEDLINE' ENTERED AT 18:46:05 ON 27 MAY 2003

FILE LAST UPDATED: 27 MAY 2003 (20030527/UP). FILE COVERS 1958 TO DATE.

On April 13, 2003, MEDLINE was reloaded. See HELP RLOAD for details.

MEDLINE thesauri in the /CN, /CT, and /MN fields incorporate the MeSH 2003 vocabulary. See <http://www.nlm.nih.gov/mesh/changes2003.html> for a description on changes.

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s atlantic cod

4568 ATLANTIC

2 ATLANTICS

4570 ATLANTIC

(ATLANTIC OR ATLANTICS)

2636 COD

23 CODS

2645 COD

(COD OR CODS)

L1 230 ATLANTIC COD

(ATLANTIC (W) COD)

=> s glycosylase and l1

1871 GLYCOSYLASE

399 GLYCOSYLASES

2012 GLYCOSYLASE

(GLYCOSYLASE OR GLYCOSYLASES)

L2 3 GLYCOSYLASE AND L1

=> d 1-3

L2 ANSWER 1 OF 3 MEDLINE

AN 2002144866 MEDLINE

DN 21867342 PubMed ID: 11878565

TI Identification, cloning, and expression of uracil-DNA **glycosylase** from **Atlantic cod** (*Gadus morhua*): characterization and homology modeling of the cold-active catalytic domain.

AU Lanes Olav; Leiros Ingar; Smalas Arne O; Willassen Nils Peder

CS Department of Molecular Biotechnology, Institute of Medical Biology, Faculty of Medicine, University of Tromso, Norway.

SO EXTREMOPHILES, (2002 Feb) 6 (1) 73-86.
Journal code: 9706854. ISSN: 1431-0651.

CY Germany: Germany, Federal Republic of

DT Journal; Article; (JOURNAL ARTICLE)

LA English
FS Priority Journals; Space Life Sciences
OS GENBANK-AJ275971; GENBANK-AJ275972
EM 200209
ED Entered STN: 20020307
Last Updated on STN: 20020906
Entered Medline: 20020904

L2 ANSWER 2 OF 3 MEDLINE
AN 2001571674 MEDLINE
DN 21536080 PubMed ID: 11679752
TI Crystallization and preliminary X-ray diffraction analysis of a cold-adapted uracil-DNA **glycosylase** from **Atlantic cod** (*Gadus morhua*).
AU Leiros I; Lanes O; Sundheim O; Helland R; Smalas A O; Willassen N P
CS Department of Chemistry, Faculty of Science, University of Tromso, N-9037 Tromso, Norway.
SO ACTA CRYSTALLOGRAPHICA. SECTION D: BIOLOGICAL CRYSTALLOGRAPHY, (2001 Nov) 57 (Pt 11) 1706-8.
Journal code: 9305878. ISSN: 0907-4449.
CY Denmark
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
OS PDB-1AKZ
EM 200112
ED Entered STN: 20011029
Last Updated on STN: 20020123
Entered Medline: 20011220

L2 ANSWER 3 OF 3 MEDLINE
AN 2001128159 MEDLINE
DN 21010749 PubMed ID: 11126771
TI Purification and characterization of a cold-adapted uracil-DNA **glycosylase** from **Atlantic cod** (*Gadus morhua*).
AU Lanes O; Guddal P H; Gjellesvik D R; Willassen N P
CS Department of Biotechnology, Institute of Medical Biology, Faculty of Medicine, University of Tromso, Norway.
SO COMPARATIVE BIOCHEMISTRY AND PHYSIOLOGY. PART B, BIOCHEMISTRY AND MOLECULAR BIOLOGY, (2000 Nov) 127 (3) 399-410.
Journal code: 9516061. ISSN: 1096-4959.
CY England: United Kingdom
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 200103
ED Entered STN: 20010404
Last Updated on STN: 20010404
Entered Medline: 20010301

=>
=>

=> dis his

(FILE 'HOME' ENTERED AT 18:45:55 ON 27 MAY 2003)

FILE 'MEDLINE' ENTERED AT 18:46:05 ON 27 MAY 2003

L1 230 S ATLANTIC COD
L2 3 S GLYCOSYLASE AND L1

=> FIL GENBANK

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	3.52	3.73

FILE 'GENBANK' ENTERED AT 18:50:58 ON 27 MAY 2003

GENBANK (R) IS A REGISTERED TRADEMARK OF THE U.S. DEPARTMENT
OF HEALTH AND HUMAN SERVICES.

This file contains CAS Registry Numbers for easy and accurate
substance identification.

=> SET NOTICE DISPLAY 1

NOTICE SET TO 1 U.S. DOLLAR FOR DISPLAY COMMAND
SET COMMAND COMPLETED

=> D ACC AJ275971 ALL

THE ESTIMATED COST FOR THIS REQUEST IS 6.59 U.S. DOLLARS
DO YOU WANT TO CONTINUE WITH THIS REQUEST? (Y)/N:y
ANSWER 1 GENBANK.RTM. COPYRIGHT 2003

LOCUS (LOC): GMO275971 GenBank (R)
GenBank ACC. NO. (GBN): AJ275971
GenBank VERSION (VER): AJ275971.1 GI:7413911
CAS REGISTRY NO. (RN): 261323-32-4
SEQUENCE LENGTH (SQL): 1283
MOLECULE TYPE (CI): mRNA; linear
DIVISION CODE (CI): Other vertebrates
DATE (DATE): 7 Jun 2002
DEFINITION (DEF): Gadus morhua mRNA for uracil-DNA glycosylase precursor
(ung1 gene).
SOURCE:
ORGANISM (ORGN): Gadus morhua
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata;
Euteleostomi; Actinopterygii; Neopterygii; Teleostei;
Euteleostei; Neoteleostei; Acanthomorpha;
Paracanthopterygii; Gadiformes; Gadidae; Gadus
NUCLEIC ACID COUNT (NA): 364 a 279 c 280 g 360 t
REFERENCE: 1 (sites)
AUTHOR (AU): Lanes, O.; Leiros, I.; Smalas, A.O.; Willassen, N.P.
TITLE (TI): Identification, cloning, and expression of uracil-DNA
glycosylase from Atlantic cod (Gadus morhua):
characterization and homology modeling of the
cold-active catalytic domain
JOURNAL (SO): Extremophiles, 6 (1), 73-86 (2002)
OTHER SOURCE (OS): CA 137:212794
REFERENCE: 2 (bases 1 to 1283)
AUTHOR (AU): Lanes, O.
TITLE (TI): Direct Submission
JOURNAL (SO): Submitted (02-MAR-2000) Lanes O., Department of
Biotechnology, University of Tromsø, Institute of
Medical Biology, Medical Faculty, N-9037, NORWAY

FEATURES (FEAT):

Feature Key	Location	Qualifier
source	1..1283	/organism="Gadus morhua" /db-xref="taxon:8049" /tissue-type="liver" /dev-stage="adult" /country="Norway"
gene	1..1283	/gene="ung1"
CDS	18..923	/gene="ung1" /EC-number="3.2.2.3" /codon-start=1 /product="uracil-DNA glycosylase precursor" /protein-id="CAB85707.1" /db-xref="GI:7413912" /db-xref="SPTREMBL:Q9I983" /translation="MLFKLGLCQRCISSNRVLPG"

LLIPQTLCF SKLMKITPKKL RSSN
 VEQKTSSPQLSVEQLERMAKNKKAALDKIRAKAT
 PAGFGETWRRELA AEFKPYFKQL
 MSFVADERSRHTVYPADQVYSWTEMCDIQDVKV
 VILGQDPYHGP NQAHGLCF SVQKP
 VPPPSLVNIYKELCTDIDGFKHPGHGDL SGWAK
 QGVLLLNAVLT VRAHQANSHKDRG
 WETFTDAVIKWLSVNREGVV FLLWGSYAHKKGAT
 IDRKRHHVLQAVHPSPLSAHRGFL
 GCKHFSKANGLLKLSGTEPINWRAL"

SEQUENCE (SEQ) :

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1 gacatccgct tgcaaatatg ttgttcaagt tagggttatg ccaaagatgc atatcatcaa
61 atcgggtctt accagggttta ctaattcccc aaactttatg tttttctaaa ttaatgaaga
121 taacgccgaa gaaactgagg tcctcaaatg tggacaacaaa gacgtcatcg ccacagcttt
181 cagtggagca gctggaaaga atggccaaaa ataagaaagc agcgcttgac aagattagag
241 caaagcaac gcctgcaggt ttcggagaga cttggagaag agagctggct gcagagtttg
301 aaaagccata cttcaaacia ttgatgtcct ttgtagctga tgagaggagc cgtcacaccg
361 tctaccacc ggctgatcaa gtgtacagtt ggacagagat gtgtgacatt caagatgtga
421 aagtagtgat tctaggccag gacccttacc acgggtcccaa ccaagcacat ggactctgtt
481 tcagtgtgca aaagccagtt cccctcccc ccagtctcgt gaacatatac aaagaattgt
541 gtaccgacat tgatggcttc aagcatcctg gacatggaga tctaagcgga tgggcaaaac
601 aaggggtgct gctgcttaac gcggtgctga ccgtgcgggc ccatcaggcc aactcccaca
661 aggacagagg ctgggagacc ttcaccgacg ctgtgatcaa gtggctgagc gtcaaccggg
721 aaggagtggg tttcctgttg tggggctcat acgcccataa gaaggagcg accatcgaca
781 ggaaacgtca ccatgtcttg caagctgttc atccatctcc tttgtctgct catcgtgggt
841 tccttggttg taagcacttc tccaaggcta acgggctgct gaaactatct gggacggagc
901 ctataaactg gagagcactc taactcttta tgctgcctta tactgttaac tgttttaaga
961 tgaacatcac actatatttt ctacagcttt tccaagttca aaccaatcta taagctttca
1021 tttgtctttt ggaatgatgc tgcttttggg cggttttaga tacttaaaac actttaccac
1081 tctgccatgt tgactcatgt tcagtcaata taactttcac aacttgaaca aaaatgttat
1141 tttataattg attatattct gtacattaaa gattgttttt ttcccaggct gtttcatagg
1201 tactaggata ttaaactgtt attaacctat tttccatgat gtcaactgct taagttttta
1261 tgcagaaata aattatatat tta

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=> SET NOTICE LOGIN DISPLAY

NOTICE SET TO OFF FOR DISPLAY COMMAND
 SET COMMAND COMPLETED

=> FIL GENBANK

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	6.83	10.56

FILE 'GENBANK' ENTERED AT 18:51:46 ON 27 MAY 2003

GENBANK (R) IS A REGISTERED TRADEMARK OF THE U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES.

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> SET NOTICE DISPLAY 1

NOTICE SET TO 1 U.S. DOLLAR FOR DISPLAY COMMAND
 SET COMMAND COMPLETED

=> D ACC AJ275972 ALL

THE ESTIMATED COST FOR THIS REQUEST IS 6.59 U.S. DOLLARS
 DO YOU WANT TO CONTINUE WITH THIS REQUEST? (Y)/N:y
 ANSWER 1 GENBANK.RTM. COPYRIGHT 2003

LOCUS (LOC) : GMO275972 GenBank (R)
 GenBank ACC. NO. (GBN) : AJ275972

GenBank VERSION (VER): AJ275972 GI:7413913
 CAS REGISTRY NO. (RN): 390266-20-3
 SEQUENCE LENGTH (SQL): 1355
 MOLECULE TYPE (CI): mRNA; linear
 DIVISION CODE (CI): Other vertebrates
 DATE (DATE): 7 Jun 2002
 DEFINITION (DEF): Gadus morhua mRNA for uracil-DNA glycosylase precursor (ung2 gene).
 SOURCE: Atlantic cod.
 ORGANISM (ORGN): Gadus morhua

Eukaryota; Metazoa; Chordata; Craniata; Vertebrata;
 Euteleostomi; Actinopterygii; Neopterygii; Teleostei;
 Euteleostei; Neoteleostei; Acanthomorpha;
 Paracanthopterygii; Gadiformes; Gadidae; Gadus

NUCLEIC ACID COUNT (NA): 393 a 287 c 304 g 371 t

REFERENCE: 1 (sites)
 AUTHOR (AU): Lanes,O.; Leiros,I.; Smalas,A.O.; Willassen,N.P.
 TITLE (TI): Identification, cloning, and expression of uracil-DNA glycosylase from Atlantic cod (Gadus morhua): characterization and homology modeling of the cold-active catalytic domain

JOURNAL (SO): Extremophiles, 6 (1), 73-86 (2002)
 OTHER SOURCE (OS): CA 137:212794

REFERENCE: 2 (bases 1 to 1355)
 AUTHOR (AU): Lanes,O.
 TITLE (TI): Direct Submission
 JOURNAL (SO): Submitted (02-MAR-2000) Lanes O., Department of Biotechnology, University of Tromsø, Institute of Medical Biology, Medical Faculty, N-9037, NORWAY

FEATURES (FEAT):

Feature Key	Location	Qualifier
source	1..1355	/organism="Gadus morhua" /db-xref="taxon:8049" /tissue-type="liver" /dev-stage="adult" /country="Norway"
gene	1..1355	/gene="ung2"
CDS	90..995	/gene="ung2" /EC-number="3.2.2.3" /codon-start=1 /product="uracil-DNA glycosylase" /protein-id="CAB85708.1" /db-xref="GI:7413914" /db-xref="SPTREMBL:Q9I982" /translation="MIGQQHINSFFSPVSKKRVSKELGKTEKHAEVQITPKKL RSSNVEQKTSSPQLSVEQLERMAKNKKAALDKIRAKATPAGFGETWRRELAAEFKPYFKQLMSFVADERSRHTVYPPADQVYSWTEMCDIQDVKVVILGQDPYHGPNAHGLCF SVQKPVPPPSLVNIYKELCTDIDGFKHPGHGDL SGWAKQGVLLLLNAVLT VRAHQANSHKDRGWETFTDAVIKWL SVNREGVV FLLWGSYAHKKGATIDRKRHHVLQAVHPSPLSAHRGFLGCKHFSKANGLLKLSGTEPINWRAL"

SEQUENCE (SEQ):

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121 tctcaccagt ttcaaaaaag agagtttcaa aggaattagg taaaaccgaa aagcatgccg
181 aagaagttca gataacgccg aagaaactga ggtcctcaa tgtggaacaa aagacgtcat
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361 ctgcagagtt tgaaaagcca tacttcaaac aattgatgtc cttttagct gatgagagga
421 gccgtcacac cgtctacca ccggtgatc aagtgtacag ttggacagag atgtgtgaca
481 ttcaagatgt gaaagtagtg attctaggcc aggaccctta ccacggccc aaccaagcac
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1021 actgttttaa gatgaacatc acactatatt ttctacagct tttccaagtt caaaccaatc
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1261 ctgtttcata ggtactagga tattaactg ttattaacct attttccatg atgtcaactg
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=> SET NOTICE LOGIN DISPLAY

NOTICE SET TO OFF FOR DISPLAY COMMAND
SET COMMAND COMPLETED